

SCORE Search Results Details for Application 10601020 and Search Result us-10-601-020-1.

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This page gives you Search Results detail for the Application 10601020 and Search Result us-10-601-020-1.rni.

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OM nucleic - nucleic search, using sw model

Run on: October 26, 2006, 07:28:35 ; Search time 150 Seconds
(without alignments)
7422.065 Million cell updates/sec

Title: US-10-601-020-1
Perfect score: 595
Sequence: 1 gcacgaatcctaaacctcaa.....gtgcgcaattcctcggggct 595

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1403666 seqs, 935554401 residues

Total number of hits satisfying chosen parameters: 2807332

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
1: /EMC_Celerra_SIDS3/ptodata/2/ina/1_COMB.seq:*
2: /EMC_Celerra_SIDS3/ptodata/2/ina/5_COMB.seq:*
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7: /EMC_Celerra_SIDS3/ptodata/2/ina/PCTUS_COMB.seq:*
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9: /EMC_Celerra_SIDS3/ptodata/2/ina/RE_COMB.seq:*
10: /EMC_Celerra_SIDS3/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB	ID	Description
		%				

1	595	100.0	9416	3	US-08-823-895A-26	Sequence 26, Appl
2	595	100.0	9416	3	US-10-104-966-13	Sequence 13, Appl
3	595	100.0	9416	3	US-09-929-955-13	Sequence 13, Appl
4	595	100.0	9599	3	US-09-014-416-2	Sequence 2, Appli
5	595	100.0	9646	3	US-08-811-566-1	Sequence 1, Appli
6	595	100.0	9646	3	US-09-034-756-1	Sequence 1, Appli
7	595	100.0	10803	3	US-10-259-275-17	Sequence 17, Appl
8	595	100.0	12119	5	US-10-009-011-1	Sequence 1, Appli
9	593.4	99.7	12980	3	US-08-811-566-5	Sequence 5, Appli
10	593.4	99.7	12980	3	US-09-034-756-5	Sequence 5, Appli
11	591.8	99.5	9365	3	US-09-827-688-7	Sequence 7, Appli
12	591.8	99.5	9401	2	US-08-432-693-1	Sequence 1, Appli
13	591.8	99.5	9416	3	US-08-811-566-19	Sequence 19, Appl
14	591.8	99.5	9416	3	US-09-034-756-19	Sequence 19, Appl
15	582.6	97.9	9401	7	PCT-US91-02225-9	Sequence 9, Appli
16	581	97.6	9379	3	US-08-444-818-176	Sequence 176, App
17	580.6	97.6	657	2	US-07-681-703B-11	Sequence 11, Appl
18	580.6	97.6	657	2	US-08-407-410B-11	Sequence 11, Appl
19	580.6	97.6	657	2	US-08-485-500-11	Sequence 11, Appl
20	580.6	97.6	657	7	PCT-US91-02370-11	Sequence 11, Appl
21	580.6	97.6	957	4	US-09-851-138C-208	Sequence 208, App
22	580.6	97.6	9185	3	US-08-444-818-122	Sequence 122, App
c 23	580.6	97.6	9185	3	US-08-444-818-123	Sequence 123, App
24	580.6	97.6	9379	3	US-09-388-874-1	Sequence 1, Appli
25	580.6	97.6	9379	3	US-09-916-359-1	Sequence 1, Appli
26	580.6	97.6	9401	2	US-07-910-760-9	Sequence 9, Appli
27	580.6	97.6	9401	2	US-08-440-519-9	Sequence 9, Appli
28	580.6	97.6	9401	3	US-08-440-549-9	Sequence 9, Appli
29	580.6	97.6	9401	3	US-08-823-895A-25	Sequence 25, Appl
30	579	97.3	8987	3	US-08-444-818-137	Sequence 137, App
31	575.8	96.8	657	2	US-07-681-703B-13	Sequence 13, Appl
32	575.8	96.8	657	2	US-08-407-410B-13	Sequence 13, Appl
33	575.8	96.8	657	2	US-08-485-500-13	Sequence 13, Appl
34	575.8	96.8	657	7	PCT-US91-02370-13	Sequence 13, Appl
35	575.8	96.8	1539	2	US-08-470-426B-16	Sequence 16, Appl
36	575.8	96.8	1863	2	US-08-470-426B-13	Sequence 13, Appl
37	564.2	94.8	573	2	US-08-290-665A-104	Sequence 104, App
38	564.2	94.8	573	7	PCT-US95-10398-104	Sequence 104, App
39	559	93.9	630	3	US-09-203-649-1	Sequence 1, Appli
40	559	93.9	630	3	US-09-968-255-1	Sequence 1, Appli
41	557.8	93.7	573	2	US-08-290-665A-103	Sequence 103, App
42	557.8	93.7	573	7	PCT-US95-10398-103	Sequence 103, App
43	554.6	93.2	573	2	US-08-290-665A-105	Sequence 105, App
44	554.6	93.2	573	7	PCT-US95-10398-105	Sequence 105, App
45	551.4	92.7	573	2	US-08-290-665A-106	Sequence 106, App

ALIGNMENTS

RESULT 1

US-08-823-895A-26

; Sequence 26, Application US/08823895A

; Patent No. 6433159

; GENERAL INFORMATION:

; APPLICANT: Kevin P. Anderson

; TITLE OF INVENTION: Compositions And Methods For

; TITLE OF INVENTION: Treatment Of Hepatitis C Virus-Associated Diseases

; NUMBER OF SEQUENCES: 27

; CORRESPONDENCE ADDRESS:

```

;   ADDRESSEE:  Jane Massey Licata, Esq.
;   STREET:    66 E. Main Street
;   CITY:      Marlton
;   STATE:     NJ
;   COUNTRY:   USA
;   ZIP:       08053
;
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;   COMPUTER:    IBM 486
;   OPERATING SYSTEM:  WINDOWS FOR WORKGROUPS
;   SOFTWARE:    WORDPERFECT 5.1
;
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER:  US/08/823,895A
;   FILING DATE:    March 17, 1997
;   CLASSIFICATION:  514
;
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER:  08/453,085
;   FILING DATE:    May 30, 1995
;
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER:  07/945,289
;   FILING DATE:    September 10, 1992
;
;   ATTORNEY/AGENT INFORMATION:
;   NAME:    Jane Massey Licata
;   REGISTRATION NUMBER:  32,257
;   REFERENCE/DOCKET NUMBER:  ISPH-0203
;
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE:  (609) 779-2400
;   TELEFAX:   (609) 810-1454
;
;   INFORMATION FOR SEQ ID NO:  26:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH:  9416
;   TYPE:    Nucleic
;   STRANDEDNESS:  Single
;   TOPOLOGY:  Linear
;   ANTI-SENSE:  NO
US-08-823-895A-26

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Query Match          100.0%;  Score 595;  DB 3;  Length 9416;
Best Local Similarity 100.0%;  Pred. No. 7.7e-159;
Matches 595;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

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QY      1  GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG  60
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Db      346 GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG  405

QY      61  TCAAGTTCCCGGGTGGCGGTGAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC  120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      406 TCAAGTTCCCGGGTGGCGGTGAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC  465

QY      121 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC  180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      466 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC  525

QY      181 GTCAGCCTATCCCCAAGGCACGTCGGCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC  240
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Db      526 GTCAGCCTATCCCCAAGGCACGTCGGCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC  585

QY      241 CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG  300
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Db      646 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGCAATTTGGGTAAGG 705

Qy      361 TCATCGATACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 420
          |||
Db      706 TCATCGATACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 765

Qy      421 CCCCTCTTGGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTTCCTGGAAGACGGCG 480
          |||
Db      766 CCCCTCTTGGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTTCCTGGAAGACGGCG 825

Qy      481 TGAACTATGCAACAGGGAACCTTCTGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 540
          |||
Db      826 TGAACTATGCAACAGGGAACCTTCTGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 885

Qy      541 TCTCTTGCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT 595
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Db      886 TCTCTTGCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT 940

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RESULT 2

US-10-104-966-13

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; Sequence 13, Application US/10104966
; Patent No. 6680059
; GENERAL INFORMATION:
; APPLICANT: Matti Sallberg
; APPLICANT: Catharina Hultgren
; TITLE OF INVENTION: VACCINES CONTAINING RIBAVIRIN AND
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: TRIPEP.23AUSC1
; CURRENT APPLICATION NUMBER: US/10/104,966
; CURRENT FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: 09/705,547
; PRIOR FILING DATE: 2000-11-03
; PRIOR APPLICATION NUMBER: 60/229,175
; PRIOR FILING DATE: 2000-08-29
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 9416
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hepatitis C virus sequence
US-10-104-966-13

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Query Match      100.0%; Score 595; DB 3; Length 9416;
Best Local Similarity 100.0%; Pred. No. 7.7e-159;
Matches 595; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG 60
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Qy      61 TCAAGTTCCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC 120
          |||
Db      406 TCAAGTTCCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC 465

Qy      121 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC 180
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Db      466 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC 525
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Db      526 GTCAGCCTATCCCCAAGGCACGTCGGCCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC 585
Qy      241 CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG 300
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Qy      301 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGCAATTTGGGTAAGG 360
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Db      646 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGCAATTTGGGTAAGG 705
Qy      361 TCATCGATACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 420
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      706 TCATCGATACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 765
Qy      421 CCCCTCTTGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTTCTGGAAGACGGCG 480
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      766 CCCCTCTTGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTTCTGGAAGACGGCG 825
Qy      481 TGAACTATGCAACAGGGAACCTTCTGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 540
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      826 TGAACTATGCAACAGGGAACCTTCTGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 885
Qy      541 TCTCTTGCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT 595
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      886 TCTCTTGCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT 940

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RESULT 3

US-09-929-955-13

; Sequence 13, Application US/09929955

; Patent No. 6858590

; GENERAL INFORMATION:

; APPLICANT: Matti Sallberg

; APPLICANT: Catharina Hultgren

; TITLE OF INVENTION: VACCINES CONTAINING RIBAVIRIN AND

; TITLE OF INVENTION: METHODS OF USE THEREOF

; FILE REFERENCE: TRIPEP.23AUS2

; CURRENT APPLICATION NUMBER: US/09/929,955

; CURRENT FILING DATE: 2001-08-15

; PRIOR APPLICATION NUMBER: 09/705,547

; PRIOR FILING DATE: 2000-11-03

; PRIOR APPLICATION NUMBER: 60/229,175

; PRIOR FILING DATE: 2000-08-29

; PRIOR APPLICATION NUMBER: 60/225,767

; PRIOR FILING DATE: 2000-08-17

; NUMBER OF SEQ ID NOS: 49

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 13

; LENGTH: 9416

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Hepatitis C virus sequence

US-09-929-955-13

Query Match 100.0%; Score 595; DB 3; Length 9416;
 Best Local Similarity 100.0%; Pred. No. 7.7e-159;

Matches 595; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG	60
Db	346	GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG	405
Qy	61	TCAAGTTCCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC	120
Db	406	TCAAGTTCCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC	465
Qy	121	CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC	180
Db	466	CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC	525
Qy	181	GTCAGCCTATCCCCAAGGCACGTCGGCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC	240
Db	526	GTCAGCCTATCCCCAAGGCACGTCGGCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC	585
Qy	241	CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG	300
Db	586	CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG	645
Qy	301	GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTGCGCAATTTGGGTAAGG	360
Db	646	GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTGCGCAATTTGGGTAAGG	705
Qy	361	TCATCGATACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG	420
Db	706	TCATCGATACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG	765
Qy	421	CCCCTCTTGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTTCTGGAAGACGGCG	480
Db	766	CCCCTCTTGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTTCTGGAAGACGGCG	825
Qy	481	TGAACTATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC	540
Db	826	TGAACTATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC	885
Qy	541	TCTCTTGCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT	595
Db	886	TCTCTTGCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT	940

RESULT 4

US-09-014-416-2

; Sequence 2, Application US/09014416

; Patent No. 6153421

; GENERAL INFORMATION:

; APPLICANT: Yanagi, Masayuki

; APPLICANT: Bukh, Jens

; APPLICANT: Emerson, Susanne U.

; APPLICANT: Purcell, Robert H.

; TITLE OF INVENTION: CLONED GENOMES OF INFECTIOUS HEPATITIS C VIRUSES AND

; TITLE OF INVENTION: USES THEREOF

; FILE REFERENCE: 20264276

; CURRENT APPLICATION NUMBER: US/09/014,416

; CURRENT FILING DATE: 1998-01-27

; EARLIER APPLICATION NUMBER: US 60/053,062

; EARLIER FILING DATE: 1997-07-18

; NUMBER OF SEQ ID NOS: 65

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 2
; LENGTH: 9599
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-014-416-2

Query Match 100.0%; Score 595; DB 3; Length 9599;
Best Local Similarity 100.0%; Pred. No. 7.7e-159;
Matches 595; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG 60
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Db    346 GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG 405

Qy      61 TCAAGTTCCCGGGTGGCGGTGAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC 120
      |||
Db    406 TCAAGTTCCCGGGTGGCGGTGAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC 465

Qy     121 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCAACCTCGAGGTAGAC 180
      |||
Db    466 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCAACCTCGAGGTAGAC 525

Qy     181 GTCAGCCTATCCCCAAGGCACGTGCGCCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC 240
      |||
Db    526 GTCAGCCTATCCCCAAGGCACGTGCGCCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC 585

Qy     241 CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCGTG 300
      |||
Db    586 CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCGTG 645

Qy     301 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCGGCGTAGGTGCGCAATTTGGGTAAGG 360
      |||
Db    646 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCGGCGTAGGTGCGCAATTTGGGTAAGG 705

Qy     361 TCATCGATAACCTTACGTGCGGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 420
      |||
Db    706 TCATCGATAACCTTACGTGCGGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 765

Qy     421 CCCCTCTTGGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTTCTGGAAGACGGCG 480
      |||
Db    766 CCCCTCTTGGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTTCTGGAAGACGGCG 825

Qy     481 TGAACATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 540
      |||
Db    826 TGAACATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 885

Qy     541 TCTCTTGCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT 595
      |||
Db    886 TCTCTTGCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT 940
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RESULT 5

US-08-811-566-1

; Sequence 1, Application US/08811566

; Patent No. 6127116

; GENERAL INFORMATION:

; APPLICANT: Rice, Charles et al.

; TITLE OF INVENTION: FUNCTIONAL DNA CLONE FOR HEPATITIS C

; TITLE OF INVENTION: VIRUS (HCV) AND USES THEREOF

; NUMBER OF SEQUENCES: 21

; CORRESPONDENCE ADDRESS:

```

; ADDRESSEE: David A. Jackson, Esq.
; STREET: 411 Hackensack Ave, Continental Plaza, 4th
; STREET: Floor
; CITY: Hackensack
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/811,566
; FILING DATE: 03-MAR-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Jackson Esq., David A.
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 1113-1-006
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-487-5800
; TELEFAX: 201-343-1684
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9646 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-811-566-1

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```

Query Match          100.0%; Score 595; DB 3; Length 9646;
Best Local Similarity 100.0%; Pred. No. 7.7e-159;
Matches 595; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

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Qy      1 GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG 60
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      346 GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG 405

Qy      61 TCAAGTTCCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC 120
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      406 TCAAGTTCCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC 465

Qy      121 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC 180
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      466 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC 525

Qy      181 GTCAGCCTATCCCCAAGGCACGTCGGCCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC 240
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      526 GTCAGCCTATCCCCAAGGCACGTCGGCCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC 585

Qy      241 CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG 300
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      586 CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG 645

Qy      301 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGCAATTTGGGTAAGG 360
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      646 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGCAATTTGGGTAAGG 705

```

```
Qy      361 TCATCGATACCCTTACGTGCGGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 420
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      706 TCATCGATACCCTTACGTGCGGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 765

Qy      421 CCCCTCTTGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTCTGGAAGACGGCG 480
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      766 CCCCTCTTGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTCTGGAAGACGGCG 825

Qy      481 TGAACATATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 540
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      826 TGAACATATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 885

Qy      541 TCTCTTGCCTGACTGTGCCCGCTTCAGCCTACCAAGTGC GCAATTCCTCGGGGCT 595
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      886 TCTCTTGCCTGACTGTGCCCGCTTCAGCCTACCAAGTGC GCAATTCCTCGGGGCT 940
```

RESULT 6

US-09-034-756-1

; Sequence 1, Application US/09034756

; Patent No. 6392028

; GENERAL INFORMATION:

; APPLICANT: RICE, CHARLES et al.

; TITLE OF INVENTION: FUNCTIONAL DNA CLONE FOR HEPATITIS C
; VIRUS (HCV) AND USES THEREOF

; NUMBER OF SEQUENCES: 21

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: HOWELL & HAUSERKAMP, L.C.

; STREET: 7733 FORSYTH BLVD., SUITE 1400

; CITY: ST. LOUIS

; STATE: MO

; COUNTRY: USA

; ZIP: 63105

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/034,756

; FILING DATE: 04-May-1998

; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:

; NAME: HOLLAND, DONALD R.

; REGISTRATION NUMBER: 35,197

; REFERENCE/DOCKET NUMBER: 6029-4831

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 314-727-5188

; TELEFAX: 314-727-6092

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 9646 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; HYPOTHETICAL: NO

; ANTI-SENSE: NO

; SEQUENCE DESCRIPTION: SEQ ID NO: 1:

US-09-034-756-1

Query Match 100.0%; Score 595; DB 3; Length 9646;
Best Local Similarity 100.0%; Pred. No. 7.7e-159;
Matches 595; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG 60
      |||
Db    346 GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG 405

Qy     61 TCAAGTTCCCGGGTGGCGGTGAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC 120
      |||
Db    406 TCAAGTTCCCGGGTGGCGGTGAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC 465

Qy    121 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCAACCTCGAGGTAGAC 180
      |||
Db    466 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCAACCTCGAGGTAGAC 525

Qy    181 GTCAGCCTATCCCCAAGGCACGTCGGCCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC 240
      |||
Db    526 GTCAGCCTATCCCCAAGGCACGTCGGCCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC 585

Qy    241 CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG 300
      |||
Db    586 CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG 645

Qy    301 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGCAATTTGGGTAAGG 360
      |||
Db    646 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGCAATTTGGGTAAGG 705

Qy    361 TCATCGATAACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 420
      |||
Db    706 TCATCGATAACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 765

Qy    421 CCCCTCTTGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTTCTGGAAGACGGCG 480
      |||
Db    766 CCCCTCTTGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTTCTGGAAGACGGCG 825

Qy    481 TGAACTATGCAACAGGGAACCTTCTGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 540
      |||
Db    826 TGAACTATGCAACAGGGAACCTTCTGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 885

Qy    541 TCTCTTGCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT 595
      |||
Db    886 TCTCTTGCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT 940
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RESULT 7

US-10-259-275-17

; Sequence 17, Application US/10259275

; Patent No. 6921634

; GENERAL INFORMATION:

; APPLICANT: Lemon, Stanley M.

; APPLICANT: Yi, MinKyung

; TITLE OF INVENTION: REPLICATION COMPETENT HEPATITIS C VIRUS AND METHODS OF USE

; FILE REFERENCE: 265.0007 0120

; CURRENT APPLICATION NUMBER: US/10/259,275

; CURRENT FILING DATE: 2003-01-13

; PRIOR APPLICATION NUMBER: US 60/171,909

; PRIOR FILING DATE: 1999-12-23

; PRIOR APPLICATION NUMBER: US 09/747,419

; PRIOR FILING DATE: 2000-12-23

; PRIOR APPLICATION NUMBER: US 60/325,236
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US 60/338,123
; PRIOR FILING DATE: 2001-11-13
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 17
; LENGTH: 10803
; TYPE: DNA
; ORGANISM: artificial
; FEATURE:
; OTHER INFORMATION: Nucleotide sequence of MK0-Z
US-10-259-275-17

Query Match 100.0%; Score 595; DB 3; Length 10803;
Best Local Similarity 100.0%; Pred. No. 8.1e-159;
Matches 595; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG	60
Db	346	GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG	405
Qy	61	TCAAGTTCCCGGGTGGCGGTGAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC	120
Db	406	TCAAGTTCCCGGGTGGCGGTGAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC	465
Qy	121	CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCAACCTCGAGGTAGAC	180
Db	466	CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCAACCTCGAGGTAGAC	525
Qy	181	GTCAGCCTATCCCCAAGGCACGTCGGCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC	240
Db	526	GTCAGCCTATCCCCAAGGCACGTCGGCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC	585
Qy	241	CTTGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG	300
Db	586	CTTGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG	645
Qy	301	GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTGCGCAATTTGGGTAAGG	360
Db	646	GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTGCGCAATTTGGGTAAGG	705
Qy	361	TCATCGATACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG	420
Db	706	TCATCGATACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG	765
Qy	421	CCCTCTTGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTTCTGGAAGACGGCG	480
Db	766	CCCTCTTGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTTCTGGAAGACGGCG	825
Qy	481	TGAACTATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC	540
Db	826	TGAACTATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC	885
Qy	541	TCTCTTGCTGACTGTGCCCCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT	595
Db	886	TCTCTTGCTGACTGTGCCCCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT	940

RESULT 8
US-10-009-011-1

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; Sequence 1, Application US/10009011
; Patent No. 7009044
; GENERAL INFORMATION:
; APPLICANT: Nam, Jae-Hwan
; APPLICANT: Bukh, Jens
; APPLICANT: Purcell, Robert
; APPLICANT: Emerson, Suzanne
; TITLE OF INVENTION: HCV/BVDV Chimeric cDNA1 Clone and Uses Thereof
; FILE REFERENCE: 20264303
; CURRENT APPLICATION NUMBER: US/10/009,011
; CURRENT FILING DATE: 2002-07-19
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 12119
; TYPE: DNA
; ORGANISM: Chimaera sp.
US-10-009-011-1
```

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Query Match          100.0%; Score 595; DB 5; Length 12119;
Best Local Similarity 100.0%; Pred. No. 8.4e-159;
Matches 595; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      1 GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG 60
      |||
Db      891 GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG 950

Qy      61 TCAAGTTCCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC 120
      |||
Db      951 TCAAGTTCCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC 1010

Qy      121 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC 180
      |||
Db      1011 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC 1070

Qy      181 GTCAGCCTATCCCCAAGGCACGTCGGCCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC 240
      |||
Db      1071 GTCAGCCTATCCCCAAGGCACGTCGGCCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC 1130

Qy      241 CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG 300
      |||
Db      1131 CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG 1190

Qy      301 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTGCGCGCAATTTGGGTAAGG 360
      |||
Db      1191 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTGCGCGCAATTTGGGTAAGG 1250

Qy      361 TCATCGATAACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 420
      |||
Db      1251 TCATCGATAACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 1310

Qy      421 CCCCTCTTGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTTCTGGAAGACGGCG 480
      |||
Db      1311 CCCCTCTTGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTTCTGGAAGACGGCG 1370

Qy      481 TGAAGTATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 540
      |||
Db      1371 TGAAGTATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 1430

Qy      541 TCTCTTGCCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCAGCAATTCCTCGGGGCT 595
      |||
```

Db 1431 TCTCTTGCCTGACTGTGCCCCGCTTCAGCCTACCAAGTGC GCAATTCCTCGGGGCT 1485

RESULT 9

US-08-811-566-5

; Sequence 5, Application US/08811566

; Patent No. 6127116

; GENERAL INFORMATION:

; APPLICANT: Rice, Charles et al.

; TITLE OF INVENTION: FUNCTIONAL DNA CLONE FOR HEPATITIS C

; TITLE OF INVENTION: VIRUS (HCV) AND USES THEREOF

; NUMBER OF SEQUENCES: 21

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: David A. Jackson, Esq.

; STREET: 411 Hackensack Ave, Continental Plaza, 4th

; STREET: Floor

; CITY: Hackensack

; STATE: New Jersey

; COUNTRY: USA

; ZIP: 07601

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/811,566

; FILING DATE: 03-MAR-1997

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Jackson Esq., David A.

; REGISTRATION NUMBER: 26,742

; REFERENCE/DOCKET NUMBER: 1113-1-006

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 201-487-5800

; TELEFAX: 201-343-1684

; INFORMATION FOR SEQ ID NO: 5:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 12980 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; HYPOTHETICAL: NO

; ANTI-SENSE: NO

US-08-811-566-5

Query Match 99.7%; Score 593.4; DB 3; Length 12980;

Best Local Similarity 99.8%; Pred. No. 2.5e-158;

Matches 594; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy      1 GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG 60
          |||
Db      346 GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG 405

Qy      61 TCAAGTTCCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC 120
          |||
Db      406 TCAAGTTCCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC 465

Qy      121 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTCGCAACCTCGAGGTAGAC 180
          |||

```

Db 466 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC 525

Qy 181 GTCAGCCTATCCCCAAGGCACGTCGGCCCCGAGGGCAGGACCTGGGCTCAGCCCCGGGTACC 240
|||||

Db 526 GTCAGCCTATCCCCAAGGCACGTCGGCCCCGAGGGCAGGACCTGGGCTCAGCCCCGGGTACC 585

Qy 241 CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG 300
|||||

Db 586 CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG 645

Qy 301 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTGCGCAATTTGGGTAAGG 360
|||||

Db 646 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTGCGCAATTTGGGTAAGG 705

Qy 361 TCATCGATACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 420
|||||

Db 706 TCATCGATACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 765

Qy 421 CCCCTCTTGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTTCTGGAAGACGGCG 480
|||||

Db 766 CCCCTCTTGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTTCTGGAAGACGGCG 825

Qy 481 TGA ACTATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 540
|||||

Db 826 TGA ACTATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 885

Qy 541 TCTCTTGCCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT 595
|||||

Db 886 TCTCTTGCCCTGACCGTGCCCGCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT 940

RESULT 10

US-09-034-756-5

; Sequence 5, Application US/09034756

; Patent No. 6392028

; GENERAL INFORMATION:

; APPLICANT: RICE, CHARLES et al.

; TITLE OF INVENTION: FUNCTIONAL DNA CLONE FOR HEPATITIS C
; VIRUS (HCV) AND USES THEREOF

; NUMBER OF SEQUENCES: 21

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: HOWELL & HAERKAMP, L.C.

; STREET: 7733 FORSYTH BLVD., SUITE 1400

; CITY: ST. LOUIS

; STATE: MO

; COUNTRY: USA

; ZIP: 63105

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/034,756

; FILING DATE: 04-May-1998

; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:

; NAME: HOLLAND, DONALD R.

; REGISTRATION NUMBER: 35,197

; REFERENCE/DOCKET NUMBER: 6029-4831

; TELECOMMUNICATION INFORMATION:

```

;           TELEPHONE: 314-727-5188
;           TELEFAX: 314-727-6092
;   INFORMATION FOR SEQ ID NO: 5:
;           SEQUENCE CHARACTERISTICS:
;               LENGTH: 12980 base pairs
;               TYPE: nucleic acid
;               STRANDEDNESS: double
;               TOPOLOGY: linear
;           MOLECULE TYPE: cDNA
;           HYPOTHETICAL: NO
;           ANTI-SENSE: NO
;           SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-034-756-5

```

```

Query Match          99.7%;   Score 593.4;   DB 3;   Length 12980;
Best Local Similarity 99.8%;   Pred. No. 2.5e-158;
Matches 594;   Conservative 0;   Mismatches 1;   Indels 0;   Gaps 0;

```

```

Qy      1 GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG 60
          |||
Db     346 GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG 405
          |||

Qy      61 TCAAGTTCCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC 120
          |||
Db     406 TCAAGTTCCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC 465
          |||

Qy     121 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC 180
          |||
Db     466 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC 525
          |||

Qy     181 GTCAGCCTATCCCCAAGGCACGTCGGCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC 240
          |||
Db     526 GTCAGCCTATCCCCAAGGCACGTCGGCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC 585
          |||

Qy     241 CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG 300
          |||
Db     586 CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG 645
          |||

Qy     301 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTGCGCAATTTGGGTAAGG 360
          |||
Db     646 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTGCGCAATTTGGGTAAGG 705
          |||

Qy     361 TCATCGATAACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 420
          |||
Db     706 TCATCGATAACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 765
          |||

Qy     421 CCCCTCTTGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTTCTGGAAGACGGCG 480
          |||
Db     766 CCCCTCTTGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTTCTGGAAGACGGCG 825
          |||

Qy     481 TGAACTATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 540
          |||
Db     826 TGAACTATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 885
          |||

Qy     541 TCTCTTGCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT 595
          |||
Db     886 TCTCTTGCCTGACCGTGCCCGCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT 940
          |||

```

```

RESULT 11
US-09-827-688-7

```

```
; Sequence 7, Application US/09827688
; Patent No. 6821955
; GENERAL INFORMATION:
; APPLICANT: ORSON, FRANK
; APPLICANT: KINSEY, BERMA
; APPLICANT: BHOGAL, BALBIR
; TITLE OF INVENTION: MACROAGGREGATED PROTEIN CONJUGATES AS ORAL GENETIC IMMUNIZATION
; TITLE OF INVENTION: AGENTS
; FILE REFERENCE: P01949US1/10004014
; CURRENT APPLICATION NUMBER: US/09/827,688
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/195,680
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
; LENGTH: 9365
; TYPE: DNA
; ORGANISM: HEPATITIS C
US-09-827-688-7
```

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Query Match          99.5%; Score 591.8; DB 3; Length 9365;
Best Local Similarity 99.7%; Pred. No. 6.2e-158;
Matches 593; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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Qy      1 GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG 60
      |||
Db     334 GCACGAATCCTAAACCCCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG 393

Qy      61 TCAAGTTCCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC 120
      |||
Db     394 TCAAGTTCCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC 453

Qy     121 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC 180
      |||
Db     454 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC 513

Qy     181 GTCAGCCTATCCCCAAGGCACGTCGGCCCCAGGGCAGGACCTGGGCTCAGCCCGGGTACC 240
      |||
Db     514 GTCAGCCTATCCCCAAGGCACGTCGGCCCCAGGGCAGGACCTGGGCTCAGCCCGGGTACC 573

Qy     241 CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG 300
      |||
Db     574 CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG 633

Qy     301 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGCAATTTGGGTAAGG 360
      |||
Db     634 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGCAATTTGGGTAAGG 693

Qy     361 TCATCGATACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 420
      |||
Db     694 TCATCGATACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 753

Qy     421 CCCCTCTTGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTCTGGAAGACGGCG 480
      |||
Db     754 CCCCTCTTGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTCTGGAAGACGGCG 813

Qy     481 TGAACATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 540
      |||
Db     814 TGAACATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 873
```

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Qy      541 TCTCTTGCCTGACTGTGCCCGCTTCAGCCTACCAAGTGC GCAATTCCTCGGGGCT 595
          |||
Db      874 TCTCTTGCCTGACCGTGCCCGCTTCAGCCTACCAAGTGC GCAATTCCTCGGGGCT 928

```

RESULT 12

US-08-432-693-1

; Sequence 1, Application US/08432693

; Patent No. 5861267

; GENERAL INFORMATION:

; APPLICANT: Su, Michael

; TITLE OF INVENTION: METHODS AND HOST CELLS FOR ASSAYING

; TITLE OF INVENTION: EXOGENOUS AND ENDOGENOUS PROTEASE ACTIVITY

; NUMBER OF SEQUENCES: 13

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Fish & Neave

; STREET: 1251 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: United States of America

; ZIP: 10020

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/432,693

; FILING DATE:

; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:

; NAME: Haley Jr, James F

; REGISTRATION NUMBER: 27,794

; REFERENCE/DOCKET NUMBER: VPI/95-01

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 212-596-9000

; TELEFAX: 212-596-9090

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 9401 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; HYPOTHETICAL: NO

; ANTI-SENSE: NO

; FEATURE:

; NAME/KEY: mat_peptide

; LOCATION: 3420..5312

; OTHER INFORMATION: /product= "NS3 protease"

; FEATURE:

; NAME/KEY: mat_peptide

; LOCATION: 5313..5474

; OTHER INFORMATION: /product= "NS4A"

; FEATURE:

; NAME/KEY: mat_peptide

; LOCATION: 5475..5552

; OTHER INFORMATION: /product= "truncated NS4B"

US-08-432-693-1

Query Match 99.5%; Score 591.8; DB 2; Length 9401;

Best Local Similarity 99.7%; Pred. No. 6.2e-158;
Matches 593; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy      1 GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG 60
      |||
Db     346 GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG 405

Qy     61 TCAAGTTCCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC 120
      |||
Db    406 TCGAGTTCCCGGGTGGCGGTCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC 465

Qy    121 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC 180
      |||
Db    466 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGTGGTAGAC 525

Qy    181 GTCAGCCTATCCCCAAGGCACGTCGGCCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC 240
      |||
Db    526 GTCAGCCTATCCCCAAGGCACGTCGGCCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC 585

Qy    241 CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG 300
      |||
Db    586 CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG 645

Qy    301 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTGCGCAATTTGGGTAAGG 360
      |||
Db    646 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTGCGCAATTTGGGTAAGG 705

Qy    361 TCATCGATACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 420
      |||
Db    706 TCATCGATACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 765

Qy    421 CCCCTCTTGGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTTCTGGAAGACGGCG 480
      |||
Db    766 CCCCTCTTGGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTTCTGGAAGACGGCG 825

Qy    481 TGAACTATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 540
      |||
Db    826 TGAACTATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 885

Qy    541 TCTCTTGCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT 595
      |||
Db    886 TCTCTTGCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT 940

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RESULT 13

US-08-811-566-19

; Sequence 19, Application US/08811566

; Patent No. 6127116

; GENERAL INFORMATION:

; APPLICANT: Rice, Charles et al.

; TITLE OF INVENTION: FUNCTIONAL DNA CLONE FOR HEPATITIS C

; TITLE OF INVENTION: VIRUS (HCV) AND USES THEREOF

; NUMBER OF SEQUENCES: 21

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: David A. Jackson, Esq.

; STREET: 411 Hackensack Ave, Continental Plaza, 4th

; STREET: Floor

; CITY: Hackensack

; STATE: New Jersey

; COUNTRY: USA

; ZIP: 07601

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/811,566
; FILING DATE: 03-MAR-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Jackson Esq., David A.
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 1113-1-006
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-487-5800
; TELEFAX: 201-343-1684
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9416 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
US-08-811-566-19

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Query Match 99.5%; Score 591.8; DB 3; Length 9416;
Best Local Similarity 99.7%; Pred. No. 6.2e-158;
Matches 593; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

[illegible]

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Qy      481 TGAACATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 540
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      826 TGAACATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 885

Qy      541 TCTCTTGCCTGACTGTGCCCCGCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT 595
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      886 TCTCTTGCCTGACTGTGCCCCGCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT 940

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RESULT 14

US-09-034-756-19

; Sequence 19, Application US/09034756

; Patent No. 6392028

; GENERAL INFORMATION:

; APPLICANT: RICE, CHARLES et al.

; TITLE OF INVENTION: FUNCTIONAL DNA CLONE FOR HEPATITIS C
; VIRUS (HCV) AND USES THEREOF

; NUMBER OF SEQUENCES: 21

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: HOWELL & HAERKAMP, L.C.

; STREET: 7733 FORSYTH BLVD., SUITE 1400

; CITY: ST. LOUIS

; STATE: MO

; COUNTRY: USA

; ZIP: 63105

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/034,756

; FILING DATE: 04-May-1998

; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:

; NAME: HOLLAND, DONALD R.

; REGISTRATION NUMBER: 35,197

; REFERENCE/DOCKET NUMBER: 6029-4831

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 314-727-5188

; TELEFAX: 314-727-6092

; INFORMATION FOR SEQ ID NO: 19:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 9416 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; HYPOTHETICAL: NO

; SEQUENCE DESCRIPTION: SEQ ID NO: 19:

US-09-034-756-19

Query Match 99.5%; Score 591.8; DB 3; Length 9416;

Best Local Similarity 99.7%; Pred. No. 6.2e-158;

Matches 593; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy      1 GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCCACAGGACG 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      346 GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCCACAGGACG 405

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Qy      61 TCAAGTTCCCGGTGGCGGTCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC 120
      |||
Db      406 TCGAGTTCCCGGTGGCGGTCAGATCGTTGGTGGAGTTTACTTGTTGCCGCGCAGGGGCC 465

Qy     121 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC 180
      |||
Db     466 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGTGGTAGAC 525

Qy     181 GTCAGCCTATCCCCAAGGCACGTCGGCCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC 240
      |||
Db     526 GTCAGCCTATCCCCAAGGCACGTCGGCCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC 585

Qy     241 CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG 300
      |||
Db     586 CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG 645

Qy     301 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGCAATTTGGGTAAGG 360
      |||
Db     646 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGCAATTTGGGTAAGG 705

Qy     361 TCATCGATAACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 420
      |||
Db     706 TCATCGATAACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 765

Qy     421 CCCCTCTTGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTTCTGGAAGACGGCG 480
      |||
Db     766 CCCCTCTTGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTTCTGGAAGACGGCG 825

Qy     481 TGAAGTATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 540
      |||
Db     826 TGAAGTATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 885

Qy     541 TCTCTTGCCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT 595
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Db     886 TCTCTTGCCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT 940
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RESULT 15

PCT-US91-02225-9

; Sequence 9, Application PC/TUS9102225

; GENERAL INFORMATION:

; APPLICANT: HOUGHTON, MICHAEL

; APPLICANT: CHOO, QUI-LIM

; APPLICANT: KUO, GEORGE

; TITLE OF INVENTION: COMBINATIONS OF HEPATITIS C VIRUS

; TITLE OF INVENTION:

; TITLE OF INVENTION: ANTIBODIES

; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Morrison & Foerster

; STREET: 545 Middlefield Road, Suite 200

; CITY: Menlo Park

; STATE: CA

; COUNTRY: USA

; ZIP: 94025

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

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; APPLICATION NUMBER: PCT/US91/02225
; FILING DATE: 19910329
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: CIOTTI, THOMAS E.
; REGISTRATION NUMBER: 21,013
; REFERENCE/DOCKET NUMBER: 2300-0101.44
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 327-7250
; TELEFAX: (415) 327-2951
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9401 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
PCT-US91-02225-9

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Query Match          97.9%; Score 582.6; DB 7; Length 9401;
Best Local Similarity 98.3%; Pred. No. 2.6e-155;
Matches 585; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

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Qy      1 GCACGAATCCTAAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCCACAGGACG 60
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Db      346 GCACGAATCCTAAACCTCAAARAAAAAMCAAACGTAACACCAACCGTCGCCCACAGGACG 405

Qy      61 TCAAGTTCCCGGGTGGCGGTCAGATCGTTGTTGGAGTTTACTTGTTGCCGCGCAGGGGCC 120
        |||||||||||||||||||||:|||||:|||||||||||||||||||||||||||
Db      406 TCAAGTTCCCGGGTGGCGGTCAGATCGTTGTTGGAGTTTACTTGTTGCCGCGCAGGGGCC 465

Qy      121 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC 180
        |||||||||||||||||||||:|||||:|||||||||||||||||||||||||||
Db      466 CTAGATTGGGTGTGCGCGCGACGAGAAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC 525

Qy      181 GTCAGCCTATCCCCAAGGCACGTCGGCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC 240
        |||||||||||||||||||||:|||||:|||||||||||||||||||||||||||
Db      526 GTCAGCCTATCCCCAAGGCTCGTCGGCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC 585

Qy      241 CTTGGCCCCCTCTATGGCAATGAGGGTTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG 300
        |||||||||||||||||||||:|||||:|||||||||||||||||||||||||||
Db      586 CTTGGCCCCCTCTATGGCAATGAGGGCTGCGGGTGGGCGGGATGGCTCCTGTCTCCCCGTG 645

Qy      301 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTGCGCAATTTGGGTAAGG 360
        |||||||||||||||||||||:|||||:|||||||||||||||||||||||||||
Db      646 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTGCGCAATTTGGGTAAGG 705

Qy      361 TCATCGATACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 420
        |||||||||||||||||||||:|||||:|||||||||||||||||||||||||||
Db      706 TCATCGATACCCTTACGTGCGGCTTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG 765

Qy      421 CCCCTCTTGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTCTGGAAGACGGCG 480
        |||||||||||||||||||||:|||||:|||||||||||||||||||||||||||
Db      766 CCCCTCTTGAGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGGTCTGGAAGACGGCG 825

Qy      481 TGAAGTATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTATCTTCCTTCTGGCCCTGC 540
        |||||||||||||||||||||:|||||:|||||||||||||||||||||||||||
Db      826 TGAAGTATGCAACAGGGAACCTTCCTGGTTGCTCTTTCTCTAYCTTCCTTCTGGCCCTGC 885

Qy      541 TCTCTTGCCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCGCAATTCCTCGGGGCT 595

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Db 886 TCTCTTGCTTGACTGTGCCCCGCTTCGGCCTACCAAGTGCGCAACTCCACGGGGCT 940

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